PCT/JP03/08696

A.						T MATI C22C		3, F16	L19/	08, F16K27/00		
According to International Patent Classification (IPC) or to both national classification and IPC												
B. FIELDS SEARCHED												
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ C22C38/00, C22C38/58, F16L19/08, F16K27/00												
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2003 Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003											no 1994–2003	
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)												
C. DOCUMENTS CONSIDERED TO BE RELEVANT												
Cate	gory*		Citatio	n of d	ocume	nt, with i	ndicatio	n, where ap	ppropri	ate, of the relevant passages	Relevant to claim No.	
	X Y	08 Fu	Mar ll t	ch, ext		2 (08		orp.), 02),			2,3	
_	Y JP 2002-89724 A (Kitz Corp. 27 March, 2002 (27.03.02), Full text (Family: none)							,		2		
	Y JP 2000-257781 A (Kubota Cor 19 September, 2000 (19.09.00) Full text (Family: none)									•	3	
	Furthe	r docu	ments	are list	ed in t	he contin	uation o	f Box C.		See patent family annex.		
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international filing date 						of the art v			"T"	priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve in inventive		
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means						of anotheure, use, e	r citation	or other	"Y"	considered to involve an inventive step when the document is combined with one or more other such documents such combination being obvious to a person skilled in the art		
"P" document published prior to the international filing date but later than the priority date claimed							ling date	but later	"&"	document member of the same patent	family.	
Date of the actual completion of the international search 31 October, 2003 (31.10.03)									Date of mailing of the international search report 18 November, 2003 (18.11.03)			
Name and mailing address of the ISA/								<u> </u>	Auth	orized officer	1	
Japanese Patent Office						fice]	
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